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| <b>UTILITY<br/>PATENT APPLICATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | <i>Attorney Docket No.</i> 1793.1155                                                                                                             |
| <u>TRANSMITTAL</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | <i>First Named Inventor or Application Identifier:</i><br>Sung-hee HWANG et al.                                                                  |
| <i>(Only for original applications)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | <i>Express Mail Label No.</i>                                                                                                                    |
| <b>APPLICATION ELEMENTS</b><br><i>See MPEP chapter 600 concerning utility patent application contents.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | <b>ADDRESS TO:</b><br><b>Commissioner for Patents</b><br><b>Box Patent Application</b><br><b>PO Box 1450</b><br><b>Alexandria, VA 22313-1450</b> |
| <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form</p> <p>2. <input checked="" type="checkbox"/> Specification, Claims &amp; Abstract .....[Total Pages: <u>13</u> ]</p> <p>3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) .....[ Total Sheets: <u>4</u> ] [FIGS. <u>1-3, 4A-4C, 5-7</u>]</p> <p>4. <input checked="" type="checkbox"/> Oath or Declaration .....[ Total Pages: <u>1</u> ]</p> <p>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</p> <p>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))</p> <p>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>5. <input type="checkbox"/> Verified Statement Claiming Small Entity Status</p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 C.F.R. 1.76</p> <p>7. <input checked="" type="checkbox"/> Applicant claims foreign priority benefit to: <u>Korean Application No. 2003-11637 which was filed on February 25, 2003</u></p> <p>8. <input type="checkbox"/> CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>9. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (<i>if applicable, all necessary</i>)</p> <p>a. <input type="checkbox"/> Computer Readable Form (CRF)</p> <p>b. <input type="checkbox"/> Specification Sequence Listing on:</p> <p>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</p> <p>II. <input type="checkbox"/> paper</p> <p>c. <input type="checkbox"/> Statement verifying identity of above copies</p> <p>10. <input type="checkbox"/> For publication of assignee information under 37 CFR 1.215(b), list the assignee as Samsung Electronics Co., Ltd. of Suwon-Si, Republic of Korea. The Assignment papers are attached hereto.</p> |  |                                                                                                                                                  |
| <b>ACCOMPANYING APPLICATION PARTS</b> <p>11. <input checked="" type="checkbox"/> Assignment (cover sheet &amp; document(s)) to Samsung Electronics Co., Ltd. of Suwon-Si, Republic of Korea</p> <p><input checked="" type="checkbox"/> for publication of assignee information under 37 CFR 1.215(b)</p> <p>12. <input type="checkbox"/> 37 CFR 3.73(b) Statement (<i>when there is an assignee</i>)      <input type="checkbox"/> Power of Attorney</p> <p>13. <input type="checkbox"/> English Translation Document (<i>if applicable</i>)</p> <p>14. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449      <input checked="" type="checkbox"/> Copies of IDS Citations</p> <p>15. <input type="checkbox"/> Preliminary Amendment</p> <p>16. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (<i>Should be specifically itemized</i>)</p> <p>17. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s) (<i>if foreign priority is claimed</i>)</p> <p>18. <input type="checkbox"/> Request and Certification for Nonpublication under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent</p> <p>19. <input type="checkbox"/> Other:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                  |
| <b>20. CORRESPONDENCE ADDRESS</b> <p style="text-align: center;">21171</p> <p style="text-align: center;">PATENT TRADEMARK OFFICE</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                  |

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| NEW APPLICATION<br>FEE TRANSMITTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                  | Attorney Docket No. | 1793.1155            |                               |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------|----------------------|-------------------------------|------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  | Application Number  | New                  |                               |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  | Filing Date         | January 30, 2004     |                               |                  |
| AMOUNT ENCLOSED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | \$ 810.00                                                                        |                     | First Named Inventor | Sung-hee HWANG et al.         |                  |
| FEE CALCULATION (fees effective 10/01/03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                  |                     |                      |                               |                  |
| CLAIMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (1) FOR                                                                          | (2) NUMBER FILED    | (3) NUMBER EXTRA     | (4) RATE                      | (5) CALCULATIONS |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | TOTAL CLAIMS                                                                     | 18 - 20 =           | 0                    | X \$ 18.00 =                  | \$ 0.00          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | INDEPENDENT CLAIMS                                                               | 3 - 3 =             | 0                    | X \$ 86.00 =                  | 0.00             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | MULTIPLE DEPENDENT CLAIMS (any number; if applicable)                            |                     |                      | + \$290.00 =                  |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |                     |                      | BASIC FILING FEE              | 770.00           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |                     |                      | Total of above Calculations = | \$ 770.00        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Surcharge for late filing fee, Oath or Declaration (37 CFR 1.53(f)) (\$130.00)   |                     |                      |                               |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Reduction by 50% for filing by small entity (37 CFR 1.27).                       |                     |                      |                               |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |                     |                      | TOTAL FILING FEE =            | \$ 770.00        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Surcharge for filing non-English language application (\$130.00; 37 CFR 1.52(d)) |                     |                      |                               |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Recordation of Assignment (\$40.00; 37 CFR 1.21(h))                              |                     |                      |                               | 40.00            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |                     | TOTAL FEES DUE =     | \$ 810.00                     |                  |
| METHOD OF PAYMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                  |                     |                      |                               |                  |
| <input checked="" type="checkbox"/> Check enclosed as payment.<br><input type="checkbox"/> Charge "TOTAL FEES DUE" to the Deposit Account No. below.<br><input type="checkbox"/> No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).                                                                                                                                                                                                 |                                                                                  |                     |                      |                               |                  |
| GENERAL AUTHORIZATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                  |                     |                      |                               |                  |
| <input checked="" type="checkbox"/> If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:                                                                                                                                                                                                                                                                                                                              |                                                                                  |                     |                      |                               |                  |
| Deposit Account No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                  | 19-3935             |                      |                               |                  |
| Deposit Account Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                  | STAAS & HALSEY LLP  |                      |                               |                  |
| <input checked="" type="checkbox"/> The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application. |                                                                                  |                     |                      |                               |                  |
| SUBMITTED BY: STAAS & HALSEY LLP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                  |                     |                      |                               |                  |
| Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Michael D Stein                                                                  |                     | Reg. No.             | 37,240                        |                  |
| Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                  |                     | Date                 | January 30, 2004              |                  |